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(54) DISEASE CONDITION ESTIMATING SYSTEM  
APPLYING INTER-VISCUS TISSUE  
NETWORK

## (57) Abstract:

**PURPOSE:** To provide a disease condition estimating system which backs up a doctor to exactly estimate the progress of the disease condition of a patient without relying on the experiences of the doctor.

**CONSTITUTION:** Plural viscera which may possibly be morbid metastasis are connected to each other via the transfer paths and at the same time each viscus is divided into internal tissues in an inter-viscus tissue network model. Based on this model, a disease estimating system carries out the calculation to estimate the change of the disease condition. Then a processor of this system estimates the capacity rate of each internal tissue to be morbid at an optional future time point based on a data base 22 related to the self-growing speed, the inter-tissue metastasis frequency statistics, and the inter-viscus metastasis frequency statistics and also based on the capacity rate of the tissue to be morbid set against the total capacity of each inter-

nal tissue of the relevant patient inputted as the initial conditions 18.

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